

Addendum / Addenda

Project Description / Description de projet		
M-38 Acoustics Facility - Phase 3		
Solicitation No./N° de sollicitation	Project No./N° de projet	W.O. No./N° d'ordre de travail
18-22095	5310	A1-010300-01-01-01
Departmental Representative / représentant ministériel		Date
Allan Smith		January 17, 2019
Notice:		Nota:
This addendum shall form part of the tender documents and all conditions shall apply and be read in conjunction with the original plans and specifications.		Cet addenda fait partie intégrale des dossiers d'appel; toutes les conditions énoncées doivent être lues et appliquées en conjonction avec les plans et les devis originaux.
1	Refer to attached list of major sub-contractors form to be included with bid submission. Voir la liste ci-jointe des principaux sous-traitants, qui doit être incluse à la soumission.	
2	Refer to attached pricing schedule, to be included with bid documents. Voir le barème de prix ci-joint, qui doit être inclus dans les documents relatifs à la soumission.	
3	Refer to attached Specification section 27 10 05 - Communications cables	
4	A statement was made at the job showing that there would only be 1 addendum issued. This is incorrect, there will be more than 1 addendum issued. Lors de la visite d'appréciation du travail, il a été indiqué qu'il n'y aurait qu'un seul addenda. Cette affirmation était erronée puisqu'il y en aura plus d'un.	
5	Attached are the mandatory site visit attendance sheets. Vous trouverez ci-joint les formulaires de participation à une visite obligatoire du site.	

1.11 List of Major Subcontractors

Indicate below the business name of each of the following subcontractors:

HVAC Contractor _____

Plumbing Contractor _____

Electrical Contractor _____

Failure to include these names will result in your bid being disqualified.

1.11 Liste des principaux sous-traitants

Veillez indiquer ci-dessous le nom d'entreprise de chacun des sous-traitants suivants :

Entrepreneur en CVCA _____

Entrepreneur en plomberie_____

Entrepreneur en électricité_____

Les soumissions qui ne comporteront pas les noms demandés ci-dessous seront rejetées.

Solicitation no: 18-22095

Project Identification: M38 – Phase 3 Renovation

Pricing Schedule

The Pricing Schedule must be filled out and submitted with the Construction Tender Form.

Provide price breakout for telecommunication cabling installation consisting of the following:

Voice/Data cabling only shown on drawing 5310-E07

Voice/Data cabling only shown on drawing 5310-E08

Voice/Data cabling as described in specification section 27 10 05 –
Communication cables

The price breakout is to only include the cost of cabling work. All costs related to the conduit system for telecommunications cabling is to be part of the base bid.

- 1) Base Bid \$ _____

- 2) Telecommunication cabling as described above \$ _____

- 3) Total Firm Price (Part 1 and 2) Excluding HST (This amount should match the amount entered in section 1.3 of the Construction Tender Form) \$ _____

Bid evaluation will be based on item #3 (Total Firm Price) however at the discretion of NRC, the cost for item #2 (Telecommunication cabling) may be removed from the final contract amount before the contract is issued.

No de sollicitation : 18-22095

Identification du projet : M38 — Phase 3 du projet de rénovation

Barème de prix

Le barème de prix doit être rempli et soumis avec le formulaire de soumission pour travaux de construction.

Présentez une liste ventilée des prix proposés pour l'installation des câbles de télécommunication, en incluant les éléments suivants :

Câbles de voix-données figurant seulement sur le dessin 5310-E07
Câbles de voix-données figurant seulement sur le dessin 5310-E08
Câbles de voix-données tels que décrits dans la section 27.10.05 des données de spécification (Câbles de télécommunication)

Les prix proposés doivent seulement comprendre les coûts liés aux travaux de câblage. Les coûts associés au système de conduits de câbles de télécommunication doivent être indiqués dans la soumission principale.

- | | | |
|--|-------|----|
| 1) Soumission principale | _____ | \$ |
| 2) Câbles de télécommunication (voir ci-dessus) | _____ | \$ |
| 3) Prix ferme total (Partie 1 et 2), excluant la TVH (ce montant devrait correspondre à la somme indiquée à la section 1.3 du formulaire de soumission pour travaux de construction) | _____ | \$ |

Les soumissions seront évaluées en fonction de l'élément no 3 (prix ferme total), mais le CNRC se réserve le droit de soustraire le prix de l'élément no 2 (câbles de télécommunication) du montant final du contrat avant de conclure une entente.

PART 1 - GENERAL

1.1 RELATED REQUIREMENTS

- .1 Common Work Result 26 05 00.

1.2 REFERENCES

- .1 Canadian Standards Association (CSA International)
- .2 Most recent version of CSA-C22.2 No. 214, Communications Cables (Bi-National standard with UL 444).
- .3 Telecommunications Industry Association (TIA)/Electronic Industries Alliance (EIA)
 - .1 TIA/EIA-568.1-D, Commercial Building Telecommunications Cabling Standard, Part 1: General Requirements.
 - .2 TIA/EIA-568.1-D, Commercial Building Telecommunications Cabling Standard, Part 2: Balanced Twisted-Pair Cabling Components.
 - .3 TIA TSB-140-2004, Telecommunications Systems Bulletin - Additional Guidelines for Field-Testing Length, Loss and Polarity of Optical Fiber Cabling Systems.

1.3 DEFINITIONS

- .1 Refer to TIA/EIA-598-[C], Annex A for definitions of terms: optical-fiber interconnect, distribution, and breakout cables.

1.4 SYSTEM DESCRIPTION

- .1 Structured telecommunications wiring system consist of unshielded-twisted-pair, terminations, and connectors installed inside building for occupant's telecommunications systems, including voice (telephone) and data.
- .2 Installed in physical star configuration with separate horizontal and backbone sub-systems.
- .3 Horizontal cables link work areas to telecommunications room[s] located on same floor.
- .4 Telecommunications rooms linked to main terminal/equipment room (MT/ER) by backbone cables.

1.5 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Provide submittals in accordance with Section 01 10 00.
- .2 As-built Records and Drawings:
 - .1 Provide database reflecting cable installation and cross-connections in both paper and electronic format.
 - .2 Provide electronic drawings in AutoCAD 2000 format depicting all construction.

1.6 QUALITY ASSURANCE

Health and Safety Requirements: do construction occupational health and safety in accordance with Section 01 35 30.

PART 2 - PRODUCTS

2.1 FOUR-PAIR 100 ohm BALANCED TWISTED PAIR CABLE

- .1 Four-pair, 100 ohm balanced unshielded-twisted-pair (UTP) cable, flame test classification FT6 or MPP or CMP to: CSA-C22.2 No. 214, Category 6 (Cat 6) to: TIA/EIA-568-D.
- .2 Use only where specifically noted on drawings.

2.2 WORK AREA UTP 4-PAIR MODULAR JACK

- .1 Eight-position modular jack ("RJ-45"), type T568B Category 6 to: TIA/EIA-568-D.
- .2 In self-contained surface-mount box, 3 jacks per box.
- .3 Mounted in compatible single gang faceplate, flush entry, 3 jack positions per faceplate.
- .4 Use orange outlet for data and ivory for voice.
- .5 Provide P-Touch label for all outlet to identify the circuit. Ex.M-58-2E for the plate and V001, D002 for each jack. Numbers for new jacks will be provided by NRC departmental representative during the construction.
- .6 For data/voice drops on the furniture, use the faceplate to match furniture rough-in box. Color to match furniture. Group all three outlets on the same faceplate. One blank to fill the unused port.

2.3 STANDARD OF ACCEPTANCE:

- .1 CAT6 cable
 - .1 Belden
 - .2 Bertek
 - .3 Superior Essex
- .2 Data/voice Jack
 - .1 Commscope

PART 3 EXECUTION

3.1 INSTALLATION OF HORIZONTAL DISTRIBUTION CABLES

- .1 Install horizontal cables as indicated in conduits and/or cable trays from telecommunication rooms to consolidation point or individual work-area jacks as per instruction. Identify and

- label as indicated to: TIA/EIA-606-A.
- .2 Support horizontal cables at intervals not exceeding 2 meters.
 - .3 Where raceways are used to distribute cables to each zone, provide supplementary "J" hooks to support cables at intervals not exceeding 2 meters.
 - .4 Install horizontal cables from consolidation point to individual work-area jacks.
 - .5 Use raceways where indicated on drawing.
 - .6 Provide supplementary "J" hooks to support cables at intervals not exceeding 2 meters.
 - .7 Identify and label as indicated to: TIA/EIA-606-A.
 - .8 Terminate horizontal cables in telecommunications room and at consolidation point.
 - .9 Identify and label as indicated to: TIA/EIA-606-A.
 - .10 Coil spare cables and store in ceiling space in zone.
 - .11 Harness slack cable in cabinets, racks, and wall-mounted termination and cross-connection hardware.

3.2 FIELD QUALITY CONTROL

- .1 Test horizontal UTP cables as specified below and correct deficiencies provide record of results as electronic record on USB.
- .2 Perform tests for Permanent Link on installed cables, including spares:
 - .1 Category 6 using certified level III tester to: TIA/EIA-568-D.
- .3 Perform tests for Channel on 20% of cross-connected data horizontal cabling installed from each telecommunications room, including shortest and longest drops from each telecommunications room: should more than 5% of tested cables fail, test remaining cross-connected data cables.
 - .1 Category 6 using certified level III tester to: TIA/EIA-568-D.
- .4 Provide record of results as electronic record on USB and bound paper copy to: TIA/TSB-140.


END OF SECTION






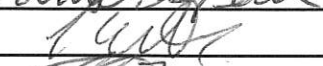


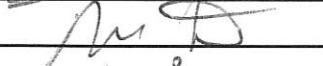


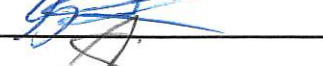
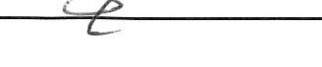



Mandatory Site Visit Attendance / Visite de chantier obligatoire

Project Description / Description de projet M38 Phase 3 Renovation		Closing Date February 4, 2019	Closing time 2:00 PM
Solicitation No./N° de sollicitation 18-22095	Project No./No de projet	1st Showing January 8, 2019	Showing Time 9:00 AM
Departmental Representative / représentant Allan Smith	Signature <i>Allan Smith</i>	Alternate/Questions deadline January 25, 2019	Addendum Deadline Jan 30/ 12:00
		2nd Showing January 11, 2019	

COMPANY/COMPAGNIE	NAME/NOM	SIGNATURE	PHONE/TELEPHONE	FAX/TELECOPIEUR	EMAIL/COURRIEL
Tct Contracting	Dustin Kerr	<i>[Signature]</i>	613 869 4203		Tctottawa@gmail.com
PREMIUM CONSTRUCTION	CHARLES LABABIE	<i>[Signature]</i>	613-997-4811		CHARLES@PREMIUM-CONSTRUCTION.CA
Climate Works	Jason Rafuse	<i>[Signature]</i>	613-864-3366		jrafuse@climaticworks.ca
Dalcon Constructors Ltd.	Scott Fields	<i>[Signature]</i>	613-822-3500		scott@dalcon.ca
Modern Builders	Mark Choce	<i>[Signature]</i>	613 222-4175		Mark@MBC.ca
Ever Tech	Pierre Dote	<i>[Signature]</i>	613 223 2172		ever-tech@sympatico.ca
Troffier	Damien Whissell	<i>[Signature]</i>	613-745-8688		Bids@Troffier.ca
CG Plumbing & Heating Ltd	Paul Graville	<i>[Signature]</i>	613-744-2564		PAUL@cgplumbing.ca
James York Contracting	James York	<i>[Signature]</i>	613-914-6879		james@yorkcontracting.ca
Jumec Construction Inc	CHARLES MOUGEOT	<i>[Signature]</i>	613-721-1145		Charles@JUMEC.COM
Gannon/Berkman Electric	STEVE MCGOON	<i>[Signature]</i>	613 738 4165		gbc@egbeinc.ca
SERVANT ELECTRIC	CAROL FAUVREAU	<i>[Signature]</i>	618-789-3535		Carol@elec.com
BRAWN CONSTRUCTION	AYAZ LONDON-BROWNE	<i>[Signature]</i>	613 402 0156		ayaz16@brawnconstruction.ca
SR Mechanical	Graham Ormerod	<i>[Signature]</i>	613-299-4111		graham-ormerod@srmech.com
GCN CONSTRUCTORS INC.	JOSH NORRONS	<i>[Signature]</i>	613-767-9700		josh@gcnconstructors.com

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COMPANY/COMPAGNIE	NAME/NOM	SIGNATURE	PHONE/TELEPHONE	FAX/TELECOPIEUR	EMAIL/COURRIEL
Carletta Elect	Steve Curran		613-880-2257		scurran@CarlettaElectric.com
Profex	A. Gauthier		819-776-1515		info@profexconstruction.ca
Serge Zimola (enst)	S. Zimola		613-880-7872		Serge@zimolaconstruction.ca
Modern Niagara	Chantal Gray		613-915-0074		chantalgray@MODERNNIAGARA.COM
Direct Construction	K WINDSOR		613 261 4118		KWINDSOR@DirectConstruction.ca
SEAWAY CONSTRUCTION	GREG HAWNA		613-453-6638		greg@seawayinc.net
JPRC CONSTRUCTION	PATRICK LATEUNESSE		819-921-8314		PLATEUNESSE@JPRC.CONSTRUCTION@GMAIL.COM
Commercial Roofing	Frank GuHo		613-897-1247		frank@commercialroofinginc.ca
KLIMAR AGENCY	MAREK JUCIAL		613 229 6026		marek@klimar.com
Leak Free Roofing	COPY MARACLE		613 808-9496		Leakfree@rogers.com
MB FORD CONST.	MARC SEBAST		613-742-5338		marc.sebastien@mbfords.com
Cannabye Const	Mike Peters		613-247-0049		Mikepeters@cannabye.com
COMMERCIAL ROOFING	W. NEWBERRY		878-7999		WARREN@COMMERCIALROOFINGINC.CA
Laplante Builders	E. Courchesne		613-850-8170		
LAPLANTE BUILDERS	T. KENKEL		613 223-6131		carole.laplante@on.aibn.com
DELTA FLOW MECH	Glen Romain		819-639-8743		gromain@delta-flow.com
LCC Canada Inc	Adele Odelele		819 771 5777		ade@LCCCanada.ca



